UNDERGROUND
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Letter of Transmittal

Date: 27 January 1999
File Number: 74167-001
From: Sunila Gupta
Joseph Savarese

To: New Jersey Department of Environmental Protection
BEECRA, P.O. Box 432
401 East State Street, Trenton, NJ 08625

Attention: Mr. Joseph Nowak

Copy to: A. William Nosil (w/o Lab QA/QC and diskette);
Edward Hogan, Esq. (w/o Lab QA/QC and diskette)

Subject: Hexcel Facility, Lodi, NJ

Copies	Date	Description
3	1/26/99	Quarterly Progress Report
1	10/14/98	Lab QA/QC-Envirotech Job No. H581
1	1/29/99	Diskette with Electronic Deliverables

Remarks:

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26 January 1999
File No. 74167-001

New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention: Joseph J. Nowak

Subject: Quarterly Progress Report
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), the following is the progress report of activities carried out during October, November, and December 1998. This quarterly report is prepared in accordance with the Industrial Site Recovery Act (ISRA) requirements for the Hexcel facility in Lodi, New Jersey.

The following topics are discussed in this progress report:

1) Groundwater Elevation/DNAPL/LNAPL Monitoring
   a) Quarterly Monitoring
   b) Monthly Monitoring

2) Product Recovery Program
   a) DNAPL Recovery
   b) LNAPL Recovery

3) Remedial Design Planning

4) Off-Site Investigation

5) Waste Disposal Documentation

6) Schedule and Cost Estimates

1. GROUNDWATER ELEVATION/DNAPL/LNAPL MONITORING

This section includes the results of quarterly monitoring performed in October1998 and monthly monitoring performed in November and December 1998. Quarterly and monthly

monitoring is performed in accordance with the NJDEP-approved plan presented in our progress report dated 24 October 1994.

1a. Quarterly Monitoring

Hexcel conducted quarterly groundwater elevation, DNAPL and LNAPL monitoring on 23 October 1998, in accordance with the monitoring plan. Results of the quarterly monitoring are tabulated in Table I. Figures 1 and 2 illustrate shallow and deep groundwater elevation contours, respectively. Contour Map Reporting Forms are included for each of the contour maps. Table II contains a summary of well construction data to accompany the Contour Map Reporting Form for Figure 1. Tables I and II, Figures 1 and 2 and the contour map reporting forms are included as Appendix A.

1b. Monthly Monitoring

In addition to the quarterly monitoring conducted in October, Hexcel conducted monthly DNAPL and LNAPL monitoring on 25 November and 21 December 1998 in accordance with the monitoring plan and modifications approved by the NJDEP in its 12 June 1995 letter. Results for the November and December monthly monitoring are provided in Table III and Table IV respectively, located in Appendix B.

Hexcel will continue to perform monthly monitoring in accordance with the approved plan. Hexcel will report any modification to the monthly monitoring, by the addition and deletion of wells, in the progress reports.

2. PRODUCT RECOVERY PROGRAM

This section includes results for the temporary product recovery program currently being implemented at the site. For the purposes of product collection, quantities less than 0.1 gallon (approximately 1 cup) are considered to be non-recoverable. Based on our experience, if the product interface meter does not signal the presence of product, then it is not possible to pump a significant amount of DNAPL from the well, even when DNAPL is observed on the probe. Therefore, DNAPL recovery is usually attempted only when there is a signal from the product interface meter indicating the presence of product. Hexcel will continue to monitor for recoverable amounts of product (LNAPL and DNAPL) using the interface probe, as approved in the NJDEP's 27 May 1998 letter.

2a. DNAPL Recovery

During the fourth quarter of 1998, DNAPL recovery was performed at monitoring well MW-6. Approximately 0.2 gallons of DNAPL was recovered from MW-6 during the fourth quarter of 1998. None of the other wells indicated presence of recoverable amounts of DNAPL. DNAPL recovery during this quarter is summarized in Table V, located in Appendix C.

2b. LNAPL Recovery

Absorbent pads have been installed in MW-6 and CW-7 for LNAPL recovery. A total of 1.1 gallons was recovered from MW-6 and 0.1 gallons were recovered from CW-7 during the fourth quarter of 1998. LNAPL recovery is summarized in Table VI (Appendix C).

3. REMEDIAL DESIGN PLANNING

Hexcel has been actively working towards developing a remediation plan for the site. Hexcel is in the final stages of performing remedial alternatives analyses in order to chose the appropriate cleanup strategy for the site. In the meantime, Hexcel has proceeded with building demolition which is an integral part of long-term objectives and the first step in the remediation plan for the site.

Demolition commenced in the fourth quarter of 1998. All the building structures except for the warehouse in the northern portion of the property will be razed. The former tenant, Fine Organics Corporation, vacated the premises on 15 October 1998, approximately one month later than anticipated. Demolition-related activities, including asbestos abatement and dismantling and relocation of the groundwater treatment system to the warehouse, were conducted in October and November 1998. Due to a delay in Fine Organics vacating the property, building demolition activities are still going on.

Demolition activities are expected to be completed, depending on weather conditions, by mid February 1999. Thus, the plan to present the conceptual remediation plan to the NJDEP will be postponed. We will contact you at the end of February to discuss convenient dates for the meeting.

4. OFF-SITE INVESTIGATION

As reported in the October 1998 progress report, Hexcel conducted a stream bed investigation in the Saddle River across from MW-8. The investigation consisted of completing nine borings to a depth of approximately 6.5 to 7 feet below the streambed and collecting soil samples for analyses of volatile organics. The boring location plan, the description of visual observations, and the sampling methodology were provided in the October progress report; the boring location plan is provided again as Figure 3 in Appendix D.

The streambed investigation indicates no significant impact to the soils due to the on-site soil and groundwater contamination. Specifically, samples from six borings did not have any exceedance for any of the volatile organic parameters. Samples from the other three borings (ST-1, ST-6, ST-9) had chlorobenzene detected in the range of 1.8 parts per million (ppm) to 5.3 ppm, slightly above the Impact to Groundwater Soil Cleanup Criteria (IGWSCC) of 1 ppm; no other tested parameters were detected above the IGWSCC.

The soil sampling results from the streambed investigation are provided in Table VII included as Appendix D. The laboratory QA/QC report is provided as a separately bound volume. The data is also submitted in the NJDEP-required electronic format in the enclosed diskette.

5. WASTE DISPOSAL DOCUMENTATION

In December 1998, liquids from the groundwater treatment system tanks were pumped out prior to dismantling of the treatment system for relocation into the warehouse. Approximately 2500 gallons of the water treatment liquid were taken off-site for disposal via incineration. The Waste Disposal Manifest is included as Appendix E.

6. SCHEDULE AND COST ESTIMATES

Table VIII, located in Appendix F, presents an updated estimate of the schedule of remaining remedial activities. There has been no change to date in the estimate of cleanup costs.

We will continue to submit quarterly progress reports according to the schedule. Please call us if you have any questions regarding the above.

Sincerely yours,
HALEY & ALDRICH, INC.

Sunila Gupta
Project Engineer

Joseph G. Savarese
Project Manager

Enclosures

c: A. William Nosil
Edward Hogan, Esq.

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Appendix A

Quarterly Monitoring

Table I: Quarterly Water Level/Product Thickness Measurements (10/23/98)

Table II: Well Construction Data

Contour Map Reporting Form for Figure 1

Figure 1: Shallow Ground Water Elevation Contours on 10/23/98

Contour Map Reporting Form for Figure 2

Figure 2: Deep Ground Water Elevation Contours on 10/23/98

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/28/98)
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (10/28/98)	Depth to Product		Product Thickness		Depth to Bottom (10/28/98)	Elevation Top of Casing	Water Elevation (10/28/98)	Well Construction		Comments
			DNAPL	LNAPL	DNAPL	LNAPL				Type	Casing	
RW Series:												
RW1-1	shallow	5.89	--	--	--	--	14.32	28.24	22.35	flush	s.steel	
RW6-1	shallow	3.79	--	--	--	--	13.81	28.84	25.05	flush	s.steel	Product on probe (DNAPL)**.
RW6-2	shallow	4.17	--	--	--	--	14.84	29.34	25.17	flush	s.steel	
RW6-3	shallow	4.28	--	--	--	--	5.44	28.72	24.44	flush	s.steel	
RW7-1	shallow	6.16	--	--	--	--	16.69	26.25	20.09	flush	s.steel	Product on probe (DNAPL)**; floc)orange) on probe.
RW7-2	shallow	6.91	--	--	--	--	16.88	26.48	19.57	flush	s.steel	
RW7-3	shallow	6.87	--	--	--	--	17.29	26.78	19.91	flush	s.steel	
RW7-4	shallow	7.23	--	--	--	--	19.12	27.11	19.88	flush	s.steel	Product on probe (DNAPL)**.
RW7-5	shallow	7.82	--	--	--	--	19.46	27.57	19.75	flush	s.steel	Product on probe (DNAPL)**.
RW7-6	shallow	7.32	--	--	--	--	15.03	26.48	19.16	flush	s.steel	
RW7-7	shallow	7.29	--	--	--	--	14.90	26.89	19.60	flush	s.steel	
RW7-8	shallow	5.84	--	--	--	--	15.02	25.90	20.06	flush	s.steel	
RW7-9	shallow	7.54	--	--	--	--	16.23	26.87	19.33	flush	s.steel	Sediment on probe.
RW7-10	shallow	7.79	--	--	--	--	14.22	26.10	18.31	flush	s.steel	
RW15-1	shallow	7.98	--	--	--	--	14.95	29.95	21.97	flush	s.steel	
RW15-2	shallow							30.15		flush	s.steel	Well not included in quarterly monitoring plan.

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/28/98)
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (10/28/98)	Depth to Product		Product Thickness		Depth to Bottom (10/28/98)	Elevation Top of Casing	Water Elevation (10/28/98)	Well Construction		Comments
			DNAPL	LNAPL	DNAPL	LNAPL				Type	Casing	
P Series:												
P-1	shallow	7.55	--	--	--	--	9.39	30.09	22.54	flush	1.5" pvc	
P-2	shallow	WA	--	--	--	--	WA	30.19	WA	flush	1.5" pvc	Well was sealed on March 29, 1996.
PI Series:												
PI-1	deep							26.90		flush	8" s.steel	Well not included in quarterly monitoring plan.
CW Series:												
CW-1	shallow	7.76	--	--	--	--	11.51	29.77	22.01	flush	s.steel	
CW-2	shallow							29.51		flush	s.steel	Well not included in quarterly monitoring plan.
CW-3	shallow							29.72		flush	s.steel	Recovery well; not included in monitoring plan.
CW-4	shallow	6.77	--	--	--	--	11.02	28.83	22.06	flush	s.steel	
CW-5	shallow							28.67		flush	s.steel	Recovery well; not included in monitoring plan.
CW-6	shallow							28.93		flush	s.steel	Well not included in quarterly monitoring plan.
CW-7	shallow	7.79	--	7.72	--	0.07	14.04	26.13	18.34	flush	s.steel	Corrected DTW is 7.73*; LNAPL on probe.
CW-8	shallow	8.63	--	--	--	--	13.97	26.77	18.14	flush	s.steel	
CW-9	shallow							26.37		flush	s.steel	Recovery well; not included in monitoring plan.
CW-10	shallow	7.71	--	--	--	--	10.30	25.91	18.20	flush	s.steel	

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TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/28/98)

HEXCEL FACILITY

LODI, NEW JERSEY

-All measurements in feet -

-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (10/28/98)	Depth to Product		Product Thickness		Depth to Bottom (10/28/98)	Elevation Top of Casing	Water Elevation (10/28/98)	Well Construction		Comments
			DNAPL	LNAPL	DNAPL	LNAPL				Type	Casing	
CW Series (continued):												
CW-11	shallow							25.74		vaultbox	s.steel	Recovery well; not included in monitoring plan.
CW-12	shallow	7.50	--	--	--	--	14.01	25.71	18.21	flush	s.steel	Product on probe (DNAPL)**.
CW-13	shallow							26.05		flush	s.steel	Well not included in quarterly monitoring plan.
CW-14	shallow	8.37	--	--	--	--	13.91	26.37	18.00	flush	s.steel	
CW-15	shallow							26.31		flush	s.steel	Recovery well; not included in monitoring plan.
CW-16	shallow	8.19	--	--	--	--	13.97	26.45	18.26	flush	s.steel	Product on probe (DNAPL)**.
CW-17	shallow	7.47	--	--	--	--	14.00	26.25	18.78	flush	s.steel	
CW-18	shallow							26.61		flush	s.steel	Recovery well; not included in monitoring plan.
CW-19	shallow							26.50		flush	s.steel	Well not included in quarterly monitoring plan.
CW-20	shallow							26.74		flush	s.steel	Well not included in quarterly monitoring plan.
CW-21	shallow							26.77		flush	s.steel	Recovery well; not included in monitoring plan.
CW-22	shallow							26.35		flush	s.steel	Well not included in quarterly monitoring plan.
MW Series:												
MW-1	deep	10.71	--	--	--	--	23.59	32.42	21.71	stickup	pvc	
MW-2	shallow	8.94	--	--	--	--	10.31	31.00	22.06	stickup	pvc	
MW-3	deep	11.18	--	--	--	--	30.83	31.13	19.95	stickup	pvc	
MW-4	shallow	8.37	--	--	--	--	9.93	32.33	23.96	stickup	pvc	
MW-5	deep	12.06	--	--	--	--	28.43	32.54	20.48	stickup	pvc	

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/28/98)
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (10/28/98)	Depth to Product		Product Thickness		Depth to Bottom (10/28/98)	Elevation Top of Casing	Water Elevation (10/28/98)	Well Construction		Comments
			DNAPL	LNAPL	DNAPL	LNAPL				Type	Casing	
MW Series (continued):												
MW-6	shallow	10.51	18.15	10.49	0.32	0.02	18.47	30.74	20.23	stickup	pvc	Corrected DTW is 10.5; Product on probe (DNAPL and LNAPL)**.
MW-7	deep	10.60	--	--	--	--	32.99	30.68	20.08	stickup	pvc	
MW-8	shallow	12.27	--	--	--	--	17.39	30.26	17.99	stickup	pvc	Product on probe (DNAPL)**.
MW-9	deep	9.77	--	--	--	--	29.64	29.83	20.06	stickup	pvc	
MW-10	shallow	12.83	--	--	--	--	16.81	30.83	18.00	stickup	pvc	
MW-11	deep	10.98	--	--	--	--	33.58	30.78	19.80	stickup	pvc	
MW-12	shallow	11.20	--	--	--	--	17.26	31.01	19.81	stickup	pvc	
MW-13	deep	10.66	--	--	--	--	33.27	31.16	20.50	stickup	pvc	
MW-14	shallow	11.81	--	--	--	--	15.66	30.70	18.89	stickup	pvc	
MW-15	deep	9.82	--	--	--	--	25.67	30.77	20.95	stickup	pvc	
MW-16	shallow	7.80	--	--	--	--	12.63	29.69	21.89	stickup	pvc	
MW-17	shallow	9.94	--	--	--	--	14.15	31.44	21.50	stickup	pvc	
MW-18	shallow	9.76	--	--	--	--	11.34	32.23	22.47	stickup	pvc	
MW-19	deep	7.94	--	--	--	--	26.68	29.08	21.14	stickup	pvc	
MW-20	shallow	5.71	--	--	--	--	20.10	27.95	22.24	flush	pvc	
MW-21	shallow	9.23	--	--	--	--	15.19	30.67	21.44	stickup	pvc	
MW-22	shallow	6.48	--	--	--	--	8.24	28.45	21.97	flush	pvc	
MW-23	shallow	5.45	--	--	--	--	9.62	27.51	22.06	flush	pvc	
MW-24	shallow	4.84	--	--	--	--	9.45	26.51	21.67	flush	pvc	
MW-25	shallow	NA	--	--	--	--	NA	26.03	NA	flush	pvc	

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/28/98)
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (10/28/98)	Depth to Product		Product Thickness		Depth to Bottom (10/28/98)	Elevation Top of Casing	Water Elevation (10/28/98)	Well Construction		Comments
			DNAPL	LNAPL	DNAPL	LNAPL				Type	Casing	
MW Series (continued):												
MW-26	(a)	7.83	--	--	--	--	18.01	28.85	21.02	flush	2" pvc	Product on probe (DNAPL)**.
MW-27	shallow	7.66	--	--	--	--	12.57	31.43	23.77	stickup	pvc	
MW-28	shallow	11.03	--	--	--	--	14.80	29.68	18.65	stickup	pvc	
MW-29	shallow	5.21	--	--	--	--	9.37	27.32	22.11	flush	pvc	Sediment on probe.
MW-30	shallow	5.95	--	--	--	--	10.51	28.08	22.13	flush	pvc	
MW-31	shallow	NA	--	--	--	--	NA	27.95	NA	flush	pvc	
MW-32B	shallow	8.59	--	--	--	--	11.16	31.23	22.64	flush	pvc	
MW-33	shallow	10.36	--	--	--	--	17.02	31.72	21.36	stickup	pvc	
PB Series:												
PB-1	shallow	1.94	--	--	--	--	4.83	21.78	19.84	stickup	2" g.steel	Sediment on probe.
PB-2	shallow	0.80	--	--	--	--	5.82	21.25	20.45	stickup	2" g.steel	Product on probe (DNAPL)**.
PB-4	shallow	1.30	--	--	--	--	5.23	21.52	20.22	stickup	2" g.steel	

NOTES: All measurements of depths are from the top of casing unless otherwise noted. All wells are 4" diameter unless otherwise noted.

--: Not detected by product interface meter.

N/A : Measurements not available.

(a): Ground water elevation data from MW-26 have been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product interface meter did not register presence of product in the well, product was observed on the probe.

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TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (10/28/98)	Water Elevation (10/28/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
RW Series:												
RW1-1	shallow	28.67	28.24	10	23.67	5.89	22.35	flush	s.steel	10/91	Heritage	No
RW6-1	shallow	29.28	28.84	5	20.28	3.79	25.05	flush	s.steel	8/90	Heritage	Yes
RW6-2	shallow	U	29.34	5	U	4.17	25.17	flush	s.steel	8/90	Heritage	U
RW6-3	shallow	29.02	28.72	5	27.52	4.28	24.44	flush	s.steel	8/90	Heritage	No
RW7-1	shallow	26.94	26.25	5	13.94	6.16	20.09	flush	s.steel	8/90	Heritage	Yes
RW7-2	shallow	27.07	26.48	5	14.57	6.91	19.57	flush	s.steel	8/90	Heritage	Yes
RW7-3	shallow	27.17	26.78	5	14.67	6.87	19.91	flush	s.steel	8/90	Heritage	Yes
RW7-4	shallow	27.60	27.11	5	13.60	7.23	19.88	flush	s.steel	8/90	Heritage	Yes
RW7-5	shallow	27.97	27.57	5	12.97	7.82	19.75	flush	s.steel	9/90	Heritage	Yes
RW7-6	shallow	27.10	26.48	5	17.10	7.32	19.16	flush	s.steel	9/90	Heritage	Yes
RW7-7	shallow	27.25	26.89	5	17.25	7.29	19.60	flush	s.steel	9/90	Heritage	Yes
RW7-8	shallow	26.71	25.90	5	16.71	5.84	20.06	flush	s.steel	9/90	Heritage	Yes
RW7-9	shallow	27.18	26.87	5	15.18	7.54	19.33	flush	s.steel	2/91	Heritage	Yes
RW7-10	shallow	26.50	26.10	5	16.50	7.79	18.31	flush	s.steel	2/91	Heritage	Yes
RW15-1	shallow	30.43	29.95	10	25.68	7.98	21.97	flush	s.steel	8/90	Heritage	No
RW15-2	shallow	30.37	30.15	10	26.37			flush	s.steel	8/90	Heritage	NI

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (10/28/98)	Water Elevation	Well Construction		Installation		Water Table Elv. > Top of Screen Elv.
								Type	Casing	Date	By	
P Series:												
P-1	shallow	U	30.09	U	U	7.55	22.54	flush	1.5" pvc	U	U	U
PI Series:												
PI-1	deep	U	26.90	U	U			flush	8" s.steel	10/91	Heritage	^
CW Series:												
CW-1	shallow	30.27	29.77	5	23.27	7.76	22.01	flush	s.steel	9/90	Heritage	No
CW-2	shallow	30.11	29.51	5	23.11			flush	s.steel	9/90	Heritage	NI
CW-3	shallow	U	29.72	5	U			flush	s.steel	9/90	Heritage	NI
CW-4	shallow	29.10	28.83	5	22.60	6.77	22.06	flush	s.steel	7/90	Heritage	No
CW-5	shallow	28.89	28.67	5	22.39			flush	s.steel	7/90	Heritage	NI
CW-6	shallow	29.25	28.93	5	25.25			flush	s.steel	9/90	Heritage	NI
CW-7	shallow	26.70	26.13	5	17.70	7.79	18.34	flush	s.steel	8/90	Heritage	Yes
CW-8	shallow	26.70	26.77	5	17.70	8.63	18.14	flush	s.steel	8/90	Heritage	Yes
CW-9	shallow	26.60	26.37	5	17.60			flush	s.steel	8/90	Heritage	NI
CW-10	shallow	26.50	25.91	5	17.50	7.71	18.20	flush	s.steel	8/90	Heritage	Yes

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (10/28/98)	Water Elevation	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
CW Series (continued):												
CW-11	shallow	26.60	25.74	5	17.60			vaultbox	s.steel	8/90	Heritage	NI
CW-12	shallow	26.51	25.71	5	17.51	7.50	18.21	flush	s.steel	8/90	Heritage	Yes
CW-13	shallow	26.60	26.05	5	17.60			flush	s.steel	8/90	Heritage	NI
CW-14	shallow	26.70	26.37	5	17.70	8.37	18.00	flush	s.steel	8/90	Heritage	Yes
CW-15	shallow	26.90	26.31	5	17.90			flush	s.steel	8/90	Heritage	NI
CW-16	shallow	27.00	26.45	5	18.00	8.19	18.26	flush	s.steel	8/90	Heritage	Yes
CW-17	shallow	27.10	26.25	5	18.10	7.47	18.78	flush	s.steel	8/90	Heritage	Yes
CW-18	shallow	27.20	26.61	5	18.20			flush	s.steel	8/90	Heritage	NI
CW-19	shallow	27.20	26.50	5	18.20			flush	s.steel	8/90	Heritage	NI
CW-20	shallow	27.30	26.74	5	18.30			flush	s.steel	8/90	Heritage	NI
CW-21	shallow	27.40	26.77	5	18.40			flush	s.steel	8/90	Heritage	NI
CW-22	shallow	27.30	26.35	5	18.30			flush	s.steel	8/90	Heritage	NI
MW Series:												
MW-1	deep	29.03	32.42	5	13.88	10.71	21.71	stickup	pvc	7/88	Environ	^
MW-2	shallow	27.90	31.00	5	26.13	8.94	22.06	stickup	pvc	8/88	Environ	No
MW-3	deep	27.84	31.13	5	5.30	11.18	19.95	stickup	pvc	8/88	Environ	^
MW-4	shallow	29.02	32.33	5	27.49	8.37	23.96	stickup	pvc	8/88	Environ	No
MW-5	deep	29.03	32.54	5	9.12	12.06	20.48	stickup	pvc	8/88	Environ	^

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (10/28/98)	Water Elevation (10/28/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
MW Series (continued):												
MW-6	shallow	27.14	30.74	10	22.12	10.51	20.23	stickup	pvc	8/88	Environ	No
MW-7	deep	27.18	30.68	5	2.55	10.60	20.08	stickup	pvc	7/88	Environ	^
MW-8	shallow	26.92	30.26	10	22.98	12.27	17.99	stickup	pvc	8/88	Environ	No
MW-9	deep	26.89	29.83	5	5.09	9.77	20.06	stickup	pvc	7/88	Environ	^
MW-10	shallow	27.33	30.83	11	24.81	12.83	18.00	stickup	pvc	8/88	Environ	No
MW-11	deep	27.28	30.78	10	6.86	10.98	19.80	stickup	pvc	7/88	Environ	^
MW-12	shallow	27.62	31.01	10	24.05	11.20	19.81	stickup	pvc	8/88	Environ	No
MW-13	deep	27.63	31.16	5	2.89	10.66	20.50	stickup	pvc	7/88	Environ	^
MW-14	shallow	27.12	30.70	9	24.18	11.81	18.89	stickup	pvc	8/88	Environ	No
MW-15	deep	27.17	30.77	5	10.13	9.82	20.95	stickup	pvc	7/88	Environ	^
MW-16	shallow	26.71	29.69	5	22.14	7.80	21.89	stickup	pvc	8/88	Environ	No
MW-17	shallow	29.10	31.44	8	25.10	9.94	21.50	stickup	pvc	1/89	Environ	No
MW-18	shallow	29.04	32.23	5	25.97	9.76	22.47	stickup	pvc	8/88	Environ	No
MW-19	deep	27.30	29.08	5	7.30	7.94	21.14	stickup	pvc	1/89	Environ	^
MW-20	shallow	28.50	27.95	5	13.50	5.71	22.24	flush	pvc	11/90	Heritage	Yes
MW-21	shallow	28.80	30.67	10	25.80	9.23	21.44	stickup	pvc	9/90	Heritage	No
MW-22	shallow	28.73	28.45	5	25.73	6.48	21.97	flush	pvc	12/90	Heritage	No
MW-23	shallow	27.83	27.51	5	22.83	5.45	22.06	flush	pvc	11/90	Heritage	No
MW-24	shallow	26.93	26.51	5	21.93	4.84	21.67	flush	pvc	11/90	Heritage	No
MW-25	shallow	26.47	26.03	10	23.47	NA	NA	flush	pvc	9/90	Heritage	NA

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (10/28/98)	Water Elevation (10/28/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
MW Series (continued):												
MW-26	(a)	29.26	28.85	2	12.26	7.83	21.02	flush	2" pvc	12/90	Heritage	(a)
MW-27	shallow	29.10	31.43	5	24.10	7.66	23.77	stickup	pvc	9/90	Heritage	No
MW-28	shallow	27.50	29.68	10	24.50	11.03	18.65	stickup	pvc	9/90	Heritage	No
MW-29	shallow	27.50	27.32	5	22.50	5.21	22.11	flush	pvc	2/91	Heritage	No
MW-30	shallow	28.25	28.08	5	22.25	5.95	22.13	flush	pvc	2/91	Heritage	No
MW-31	shallow	28.33	27.95	5	22.33	NA	NA	flush	pvc	2/91	Heritage	NA
MW-32B	shallow	29.00	31.23	6	26.13	8.59	22.64	stickup	pvc	11/97	H&A	No
MW-33	shallow	U	31.72	10	U	10.36	21.36	stickup	pvc	4/92	Heritage	U
PB Series:												
PB-1	shallow	17.46	21.78	1	16.46	1.94	19.84	stickup	2" g.steel	6/95	GEO	Yes
PB-2	shallow	17.50	21.25	1	16.70	0.80	20.45	stickup	2" g.steel	6/95	GEO	Yes
PB-4	shallow	17.52	21.52	1	16.72	1.30	20.22	stickup	2" g.steel	6/95	GEO	Yes

NOTES: Refer to "Table 2: Summary of Well Construction Data " provided in Appendix B of Progress Report dated July 31, 1995 for the list of sources used for compiling this table.

All measurements of depths are from the top of casing unless otherwise noted.

NA Well was inaccessible on the day of quarterly monitoring.

NI: Well not included in the quarterly monitoring.

U: Unknown.

*: All wells 4" diameter unless otherwise noted.

^: Well is screened in the confined aquifer, therefore, the question is not applicable.

(a): Ground water elevation data from MW-26 have been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.

Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 1
Water levels taken on 10/28/98

1. Did any surveyed well casing elevations change from the previous sampling event? ☐Yes
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.) ☑No

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? If yes, identify these wells. ☑Yes ☐No

   Monitor wells for which the water table elevations are higher than the top of the well screen are identified in ***Table II: Well Construction Data*** *provided in Appendix A.*

3. Are there any monitor wells present at the site but omitted from the contour map? Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☑Yes ☐No

   The quarterly ground water elevation monitoring plan was approved by NJDEP in its June 12, 1995 letter. For information on additional omissions, please refer to ***Figure 1: Shallow Groundwater Elevation Contours on 10/28/98*** *and* ***Table I: Quarterly Water Level/Product Thickness Measurements (10/28/98)*** in Appendix A.

4. Are there any monitor wells containing separate phase product during this measuring event? ☑Yes ☐No

   CW-7 and MW-6 indicated presence of measurable LNAPL and MW-6 indicated presence of measurable DNAPL with the product-interface probe during the October 1998 quarterly monitroring event. For some other wells, although the product-interface probe did not register presence of product, visual observation of the probe indicated presence of product (DNAPL).

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☑Yes ☐No
   If yes, show the formula used to correct the water table elevation.

   Water level in CW-7 and MW-6 was corrected using the equation:
   Depth to Water (Corrected) = DTW (measured) – (Product Thickness X Specific Gravity) where product thickness refers to the thickness of LNAPL layer. A specific gravity of 0.88 was used for calculation.
   No correction is required for water level due to the presence of DNAPL.

l:\94039\Quarterl\contours.doc

Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 1
Water levels taken on 10/28/98

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐ Yes ☑ No
   If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☑ Yes ☐ No
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

   It is not known why mounding occurs in the vicinity of building 2.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑ Yes ☐ No
   If no, justify inclusion of those wells.

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging Routine

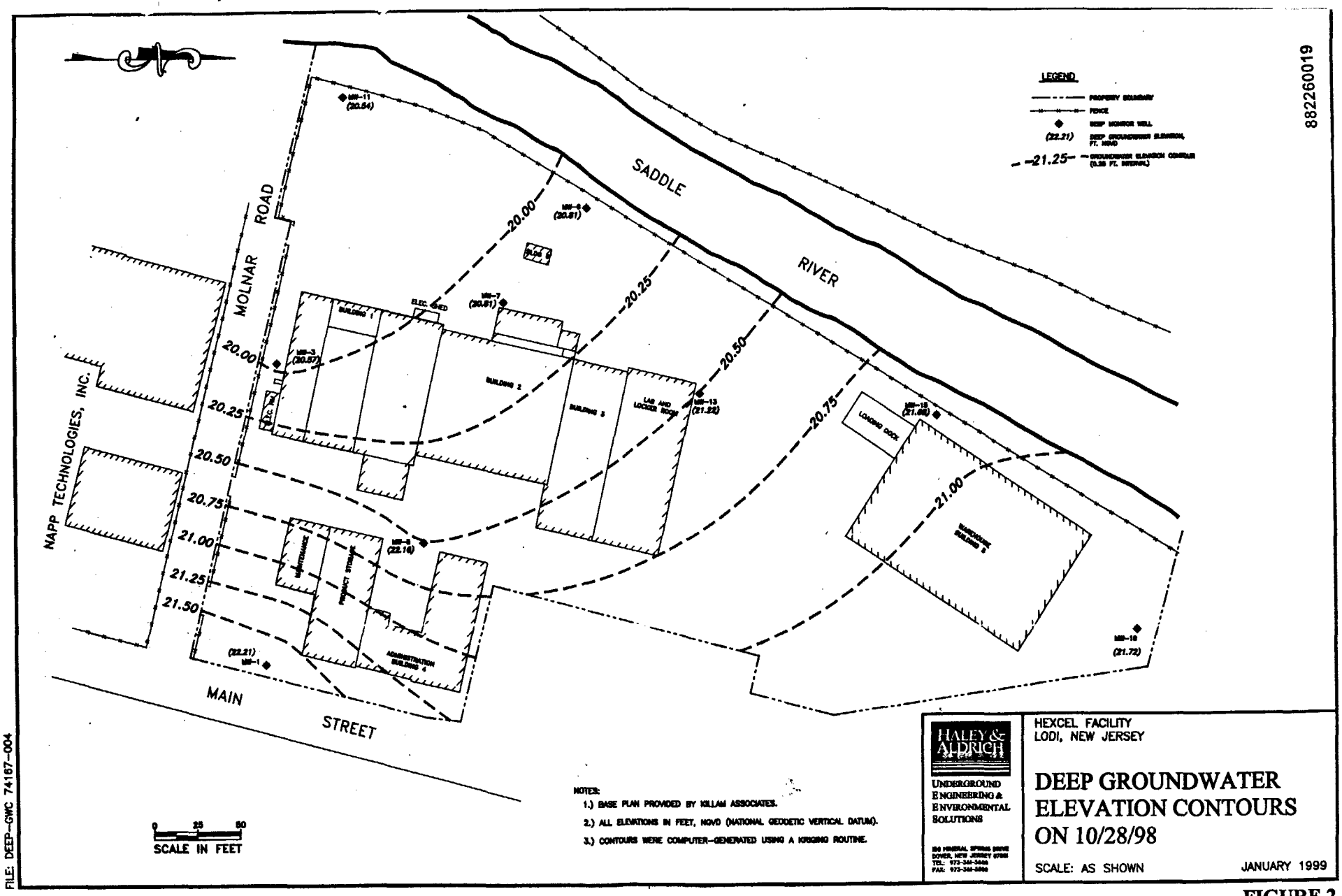

882260019
LEGEND
PROPERTY BOUNDARY
FENCE
DEEP MONITOR WELL
(22.21) DEEP GROUNDWATER ELEVATION, FT. NGVD
-21.25- GROUNDWATER ELEVATION CONTOUR (0.25 FT. INTERVAL)
SADDLE RIVER
MOLNAR ROAD
NAPP TECHNOLOGIES, INC.
MAIN STREET
20.00
20.25
20.50
20.75
21.00
21.25
21.50
MW-11 (20.64)
MW-4 (20.81)
MW-7 (20.81)
MW-3 (20.57)
MW-13 (21.22)
MW-15 (21.68)
MW-5 (22.16)
MW-1 (22.21)
MW-10 (21.72)
BUILDING 1
BUILDING 2
BUILDING 3
LAB AND LOCKER ROOM
LOADING DOCK
WAREHOUSE BUILDING 2
MAINTENANCE
PRODUCT STORAGE
ADMINISTRATION BUILDING 4
0 25 50
SCALE IN FEET
NOTES:
1.) BASE PLAN PROVIDED BY KILLAM ASSOCIATES.
2.) ALL ELEVATIONS IN FEET, NGVD (NATIONAL GEODETIC VERTICAL DATUM).
3.) CONTOURS WERE COMPUTER-GENERATED USING A KRIGING ROUTINE.
HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS
HEXCEL FACILITY
LODI, NEW JERSEY
DEEP GROUNDWATER ELEVATION CONTOURS ON 10/28/98
SCALE: AS SHOWN
JANUARY 1999
FILE: DEEP-GWC 74167-004

FIGURE 2

Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 2
Water levels taken on 10/28/98
Page 1 of 1

1. Did any surveyed well casing elevations change from the previous sampling event? ☐Yes ☑No
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.)

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? If yes, identify these wells. ☐Yes ☐No

   Not applicable because confined aquifer.

3. Are there any monitor wells present at the site but omitted from the contour map? ☐Yes ☑No
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitor wells containing separate phase product during this measuring event? ☐Yes ☑No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☐Yes ☑No
   If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes ☑No
   If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☐Yes ☑No
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑Yes
   If no, justify inclusion of those wells. ☐No

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging Routine

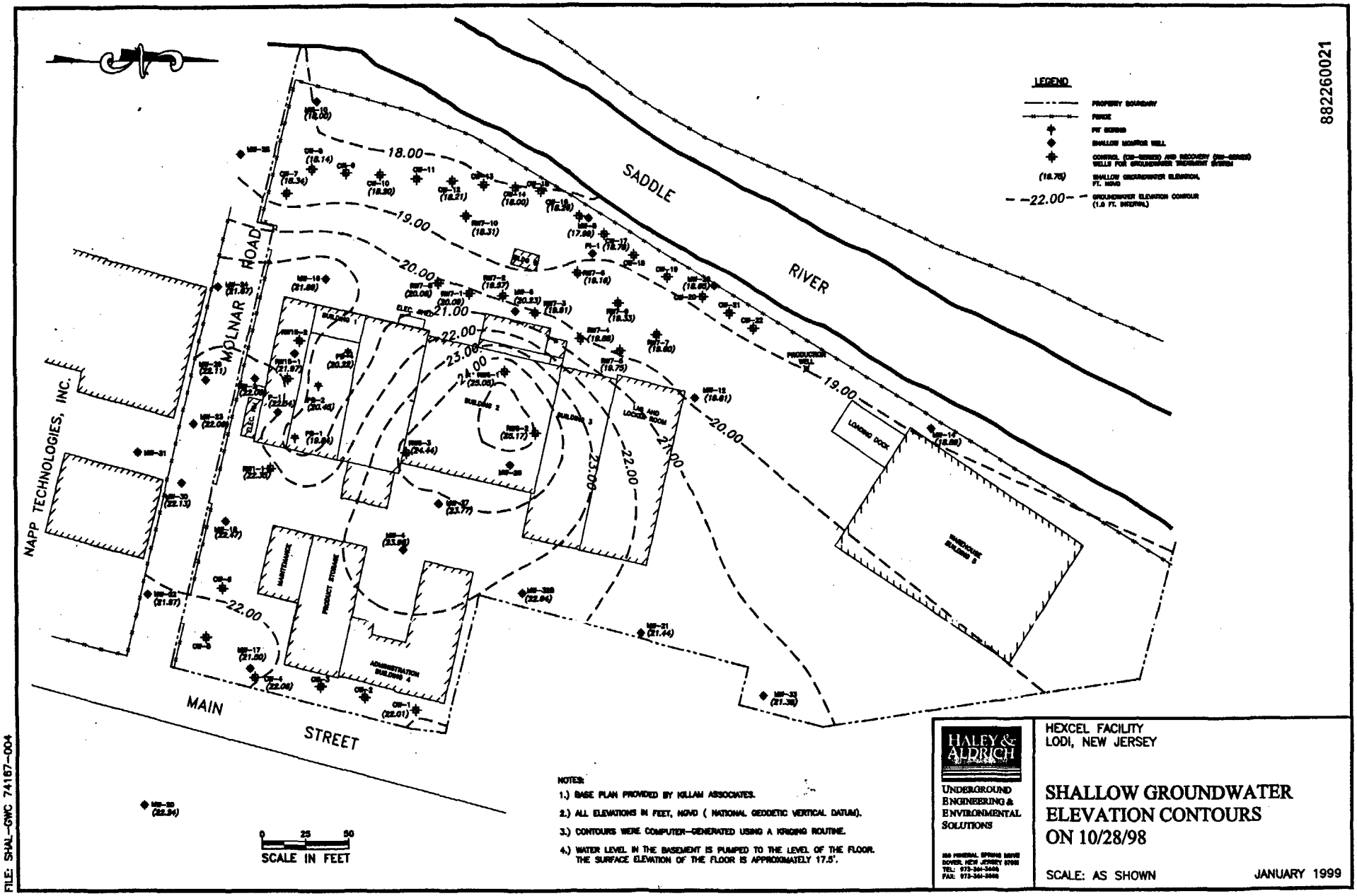

882260021
LEGEND
PROPERTY BOUNDARY
FENCE
PW SERIES
SHALLOW MONITOR WELL
CONTROL (CW-SERIES) AND RECOVERY (RW-SERIES) WELLS FOR GROUNDWATER TREATMENT SYSTEM
(18.75) SHALLOW GROUNDWATER ELEVATION, FT. NGVD
--22.00-- GROUNDWATER ELEVATION CONTOUR (1.0 FT. INTERVAL)
SADDLE
RIVER
MOLNAR ROAD
NAPP TECHNOLOGIES, INC.
MAIN
STREET
18.00
19.00
20.00
21.00
22.00
23.00
24.00
MAINTENANCE
PRODUCT STORAGE
ADMINISTRATION BUILDING 4
LAB AND LOCKER ROOM
LOADING DOCK
WAREHOUSE BUILDING 5
PRODUCTION WELL
0 25 50
SCALE IN FEET
NOTES:
1.) BASE PLAN PROVIDED BY KILLAM ASSOCIATES.
2.) ALL ELEVATIONS IN FEET, NGVD (NATIONAL GEODETIC VERTICAL DATUM).
3.) CONTOURS WERE COMPUTER-GENERATED USING A KRIGING ROUTINE.
4.) WATER LEVEL IN THE BASEMENT IS PUMPED TO THE LEVEL OF THE FLOOR. THE SURFACE ELEVATION OF THE FLOOR IS APPROXIMATELY 17.5'.
HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS
HEXCEL FACILITY
LODI, NEW JERSEY
SHALLOW GROUNDWATER ELEVATION CONTOURS ON 10/28/98
SCALE: AS SHOWN
JANUARY 1999
FILE: SHAL-GWC 74167-004

FIGURE 1

Appendix B

Monthly Monitoring

Table III: Monthly Water Level/Product Thickness Measurements for November 1998

Table IV: Monthly Water Level/Product Thickness Measurements for December 1998

TABLE III

MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS FOR NOVEMBER 1998
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 11/25/98

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	8.04	--	--	--	14.06	26.13	18.09	
CW-12	shallow	7.55	--	--	--	14.02	25.71	18.16	Product on probe (DNAPL)**
CW-16	shallow	8.09	--	--	--	14.00	26.45	18.36	Product on probe (DNAPL)**
MW-6	shallow	10.61 *	--	10.61	0.01	18.35	30.74	20.13	Measured Depth to Water was 10.62'. Product on probe (LNAPL and DNAPL)**
MW-8	shallow	12.21	--	--	--	17.45	30.26	18.05	Product on probe (DNAPL)**
RW6-1	shallow	4.07	--	--	--	13.84	28.84	24.77	Product on probe (DNAPL)**
RW7-1	shallow	6.37	--	--	--	16.70	26.25	19.88	Product on probe (DNAPL)**
RW7-4	shallow	7.48	--	--	--	19.16	27.11	19.63	Product on probe (DNAPL)**
RW7-5	shallow	8.08	--	--	--	19.31	27.57	19.49	Product on probe (DNAPL)**
PB-1	shallow	NM	--	--	--	NM	21.78	NM	
PB-2	shallow	NM	--	--	--	NM	21.25	NM	

NOTES:

All measurements of depths are from the top of casing unless otherwise noted.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

--: Not detected by product interface meter.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity).

Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product-interface meter did not register presence of product in the well, product was observed on the probe.

NM: Not monitored due to water in the basement-pit.

TABLE IV

MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS FOR DECEMBER 1998
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 12/21/98

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	8.29	--	--	--	14.07	26.13	17.84	
CW-12	shallow	7.83	--	--	--	14.02	25.71	17.88	Product on probe (DNAPL)**
CW-16	shallow	8.48	--	--	--	14.00	26.45	17.97	Product on probe (DNAPL)**
MW-6	shallow	11.07 *	--	11.05	0.16	18.36	30.74	19.67	Measured Depth to Water was 11.21'. Product on probe (LNAPL and DNAPL)**
MW-8	shallow	12.56	--	--	--	17.44	30.26	17.70	Product on probe (DNAPL)**
RW6-1	shallow	NM	--	--	--	NM	28.84	NM	Not monitored due to demolition activities
RW7-1	shallow	6.55	--	--	--	16.71	26.25	19.70	Product on probe (DNAPL)**
RW7-4	shallow	7.59	--	--	--	19.19	27.11	19.52	Product on probe (DNAPL)**
RW7-5	shallow	8.17	--	--	--	19.16	27.57	19.40	Product on probe (DNAPL)**
PB-1	shallow	NM	--	--	--	NM	21.78	NM	Not monitored due to water in the pit
PB-2	shallow	NM	--	--	--	NM	21.25	NM	Not monitored due to water in the pit

NOTES:

All measurements of depths are from the top of casing unless otherwise noted.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

--: Not detected by product interface meter.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity).

Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product-interface meter did not register presence of product in the well, product was observed on the probe.

NM: Not monitored.

Appendix C

Product Recovery

Table V: Product Collection (DNAPL) in Fourth Quarter of 1998

Table VI: Product Collection (LNAPL) in Fourth Quarter of 1998

TABLE VI

PRODUCT COLLECTION (LNAPL) IN FOURTH QUARTER OF 1998
HEXCEL FACILITY
LODI, NEW JERSEY

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (LNAPL)	MW-8 (LNAPL)	MW-23 (LNAPL)	RW1-1 (LNAPL)	RW 6-1 (LNAPL)	RW7-4 (LNAPL)	RW7-5 (LNAPL)	CW-7 (LNAPL)	CW-12 (LNAPL)	CW-16 (LNAPL)	MW-17 (LNAPL)	RW 15-1 (LNAPL)	TOTAL VOLUME RECOVERED
10/7/98	--	--	--	--	--	--	--	--	--	--	--	--	
10/13/98	--	*	*	*	*	*	*	--	*	*	*	*	
10/20/98	--	*	*	*	*	*	*	--	*	*	*	*	
10/28/98 (Quarterly)	--	--	--	--	--	--	--	--	--	--	--	--	
11/5/98	0.1	*	*	*	*	*	*	--	*	*	*	*	
11/13/98	--	*	*	*	*	*	*	--	*	*	*	*	
11/19/98	0.3	*	*	*	*	*	*	--	*	*	*	*	
11/25/98 (Monthly)	0.2	--	--	--	--	--	--	0.1	--	--	--	--	
12/5/98	0.1	*	*	*	*	*	*	--	*	*	*	*	
12/9/98	--	*	*	*	*	*	*	--	*	*	*	*	
12/18/98	0.2	*	*	*	*	*	*	--	*	*	*	*	
12/21/98 (Monthly)	--	--	--	--	NM	--	--	--	--	--	--	--	
12/30/98	0.2	*	*	*	*	*	*	--	*	*	*	*	
TOTAL VOLUME RECOVERED, 4th QUARTER, 1998	1.1	--	--	--	--	--	--	0.1	--	--	--	--	1.2
TOTAL VOLUME RECOVERED, 3rd QUARTER 1998	--	--	--	--	--	--	--	0.8	--	--	--	--	0.8
TOTAL VOLUME RECOVERED, 10/94 - 6/98	6.9	--	--	--	--	--	--	2.6	--	--	--	--	9.5
TOTAL VOLUME RECOVERED (TOTAL SINCE 10/94)	8.0	--	--	--	--	--	--	3.5	--	--	--	--	11.5

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

* Well not included in the weekly product recovery.

-- i) Monitoring did not indicate recoverable product or ii) no measurable amount of LNAPL was recovered in the absorbent pad.

NM: Well could not be monitored due to demolition-related actvities.

TABLE V

PRODUCT COLLECTION (DNAPL) IN FOURTH QUARTER OF 1998
HEXCEL FACILITY
LODI, NEW JERSEY

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (DNAPL)	MW-8 (DNAPL)	MW-26 (DNAPL)	RW6-1 (DNAPL)	RW7-1 (DNAPL)	RW7-4 (DNAPL)	RW7-5 (DNAPL)	CW-12 (DNAPL)	CW-16 (DNAPL)	PB-2 (DNAPL)	TOTAL VOLUME RECOVERED
10/7/98	--	*	*	*	*	*	*	*	*	*	
10/13/98	--	*	*	*	*	*	*	*	*	*	
10/20/98	--	*	*	*	*	*	*	*	*	*	
10/28/98 (Quarterly)	--	--	--	--	--	--	--	--	--	--	
11/5/98	--	*	*	*	*	*	*	*	*	*	
11/13/98	--	*	*	*	*	*	*	*	*	*	
11/19/98	0.1	*	*	*	*	*	*	*	*	*	
11/25/98 (Monthly)	0.1	--	*	--	--	--	--	--	--	NM	
12/5/98	--	*	*	*	*	*	*	*	*	*	
12/9/98	--	*	*	*	*	*	*	*	*	*	
12/18/98	--	*	*	*	*	*	*	*	*	*	
12/21/98 (Monthly)	--	--	NM	NM	--	--	--	--	--	NM	
12/30/98	--	*	*	*	*	*	*	*	*	*	
TOTAL VOLUME RECOVERED, 4th QUARTER, 1998	0.2	--	--	--	--	--	--	--	--	--	0.2
TOTAL VOLUME RECOVERED, 3rd QUARTER 1998	0.2	--	--	--	--	--	--	--	--	--	0.2
TOTAL VOLUME RECOVERED**, 10/94 - 6/98	20.0	1.0	0.4	0.1	0.3	--	--	0.7	0.7	4.6	28.6
TOTAL VOLUME RECOVERED** (TOTAL SINCE 10/94)	20.4	1.0	0.4	0.1	0.3	--	--	0.7	0.7	4.6	29.0

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

*: Well not included in the weekly product recovery program.

--: i) Well was monitored and did not indicate recoverable product or ii) no measurable amount of product was recovered either by bailing or pumping.

**: Total includes 0.8 gallons recovered from CW-15 prior to reinstallation of ground water recovery equipment in the well; the well was discontinued from the monitoring program at that time.

NM: Well could not be monitored due to demolition-related actvities.

882260027

TABLE VII
SOIL SAMPLING RESULTS
STREAM BED INVESTIGATION
HEXCEL FACILITY, LODI, NJ

All results are in parts per million (ppm)

Boring ID Sample Depth (feet)	ST-1 4.5-5.0	ST-2 4.7-5.2	ST-3 5.5-6.0	ST-4 6.0-6.5	ST-5 5.5-6.0	ST-6 5.0-5.5	ST-7 5.0-5.5	ST-8 4.7-5.2	ST-9 3.5-4.0	IGWSCC
Parameter										
Methylene Chloride	0.16 JB	0.15 JB	0.15 JB	0.15 JB	0.14 JB	0.14 JB	0.15 JB	0.16 JB	0.13 JB	1
Benzene	0.082 J					0.4			0.091 J	1
Chlorobenzene		0.27 J								1
Vinyl Chloride						0.11 J				10
cis-1,2-DCE						0.12 J				1
Toluene									0.24 J	500
Non-Targeted VOs		1.6						1		

Notes:

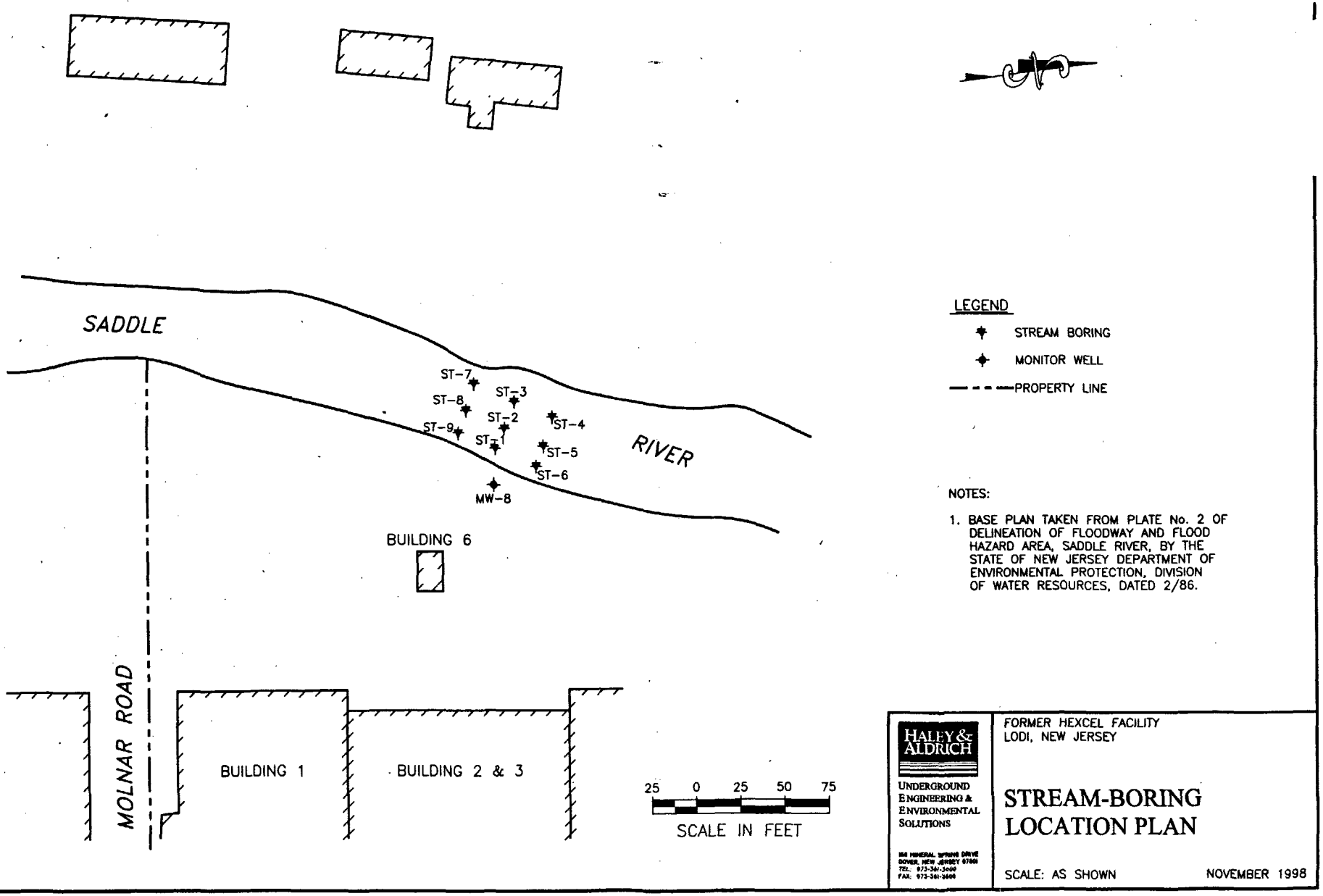
	Blank cell indicates that the parameter was not detected.
	Indicates concentration above the Impact to Groundwater Soil Cleanup Criteria (IGWSCC).
J	Indicates estimated concentration.
B	Indicates compound also detected in Blank.

Appendix D

Stream Bed Investigation

Figure 3: Stream-boring Location Plan

Table VII: Soil Sampling Results (Stream Bed Investigation)



NOTES:

1. BASE PLAN TAKEN FROM PLATE No. 2 OF DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA, SADDLE RIVER, BY THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES, DATED 2/86.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

FORMER HEXCEL FACILITY
LODI, NEW JERSEY

STREAM-BORING LOCATION PLAN

SCALE: AS SHOWN

NOVEMBER 1998

FILE: STBORING.DWG 74167-001

FIGURE 3

Appendix E

Waste Disposal Manifest

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) *Form Approved. OMB No. 2050-0039, Expires 9-30-97*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 9 8 6 5 8 4 1 3 4 — Manifest Document No. 67779 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: In Emergency see box # 15
HEXCEL CORPORATION
5794 W. LAS POSITAS BLVD., PLEASANTON, CA 94588-
4. Generator's Phone (800) 433-5072 ATTN: A. WILLIAM MOSIL

A. State Manifest Document Number: NJA 2 [illegible]
B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: S-J TRANSPORTATION — 6. US EPA ID Number: NJD071629976
C. State Trans. ID NUMBER: [illegible]
Decal No.: [illegible]

7. Transporter 2 Company Name — 8. US EPA ID Number
D. Transporter's Phone: [illegible]
E. State Trans. ID NUMBER:
Decal No.:

9. Designated Facility Name and Site Address
SAFETY-KLEEN (BRIDGEPORT) INC
RT 322 & I-295
BRIDGEPORT, NJ 08014 — 10. US EPA ID Number: N J D 0 5 3 2 8 8 2 3 9
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: (609) 467-3100

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, LIQUID, N.O.S., (METHYLENE CHLORIDE,TETRACHLOROETHYLENE), 9, NA3082, III, RQ(D021, D022)	X	001	TT	02546	G	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. LO-040397(L-ET) - [illegible] D009,D021,D022,D027,D028,D033,D040
b.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Use protective gear when handling waste. Avoid inhalation, ingestion, and, skin contact.
In emergency call: HEXCEL CORP. (800) 433-5072 If undeliverable return to generator.
D.O.T. Emergency Response #'s 11a. 171 11b. 11c. 11d.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. AS AGENT ON BEHALF OF HEXCEL CORPORATION

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SANTHOSH THADIGIRI — Signature: [signature] — Month Day Year: 12 01 98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ALAN DAVIS — Signature: [signature] — Month Day Year: 12 01 98

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.
SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES
2 - GENERATOR COPY

882260032

Appendix F

Schedule Estimates

Table VIII: Estimated Schedule of Remaining Remedial Activities

TABLE VIII
ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
HEXCEL FACILITY
LODI, NEW JERSEY

TASK DESCRIPTION	1999											
	1	2	3	4	5	6	7	8	9	10	11	12
REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Demolish bldgs & dispose debris & waste	■	■										
Collect, analyze & evaluate surface water samples										■		
Permitting associated with the remedial plan										■	■	
Implement remedial plan												■
REPORTING												
Meet with NJDEP to propose remedial plan			■									
Prepare comprehensive remedial plan (RAW Addendum)				■	■	■						
NJDEP review of remedial plan							■	■	■			
Progress Report/Remedial Status Report	■											
Prepare final report *												
NJDEP review and site inspection *												
Case closure *												

* Timing to be estimated within comprehensive remedial plan.

Laboratory QA/QC Package for Stream Bed Investigation Sampling
Submitted with January 1999 Progress Report

Hexcel Facility
Lodi, New Jersey
ISRA Case No. 86009

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

October 14, 1998

Haley & Aldrich, Inc.
150 Mineral Springs Drive
Dover, NJ 07801

Attention: Mr. Bob Shusko

Re: Job No. H581 - Hexcel, Lodi

Dear Mr. Shusko:

Enclosed are the results you requested for the following sample(s) received at our laboratory on September 24, 1998:

Lab No.	Client ID	Analysis Required
85955	ST-1	PP VOA+15
85956	ST-2	PP VOA+15
85957	ST-3	PP VOA+15
85958	ST-4	PP VOA+15
85959	ST-5	PP VOA+15
85960	ST-6	PP VOA+15
85961	ST-7	PP VOA+15
85962	ST-8	PP VOA+15
85963	ST-9	PP VOA+15
85964	Dup-1	PP VOA+15
85965	FB-1	PP VOA+15
85966	Trip_Blank	PP VOA+15

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Bianca Buckwalter, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

TABLE OF CONTENTS

ENVIROTECH RESEARCH, INC.

Client ID: **ST-1**
Site: Hexcel, Lodi

Lab Sample No: **85955**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3175.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	710
Bromomethane	ND	710
Vinyl Chloride	ND	710
Chloroethane	ND	710
Methylene Chloride	160 JB	420
Trichlorofluoromethane	ND	710
1,1-Dichloroethene	ND	280
1,1-Dichloroethane	ND	710
trans-1,2-Dichloroethene	ND	710
cis-1,2-Dichloroethene	ND	710
Chloroform	ND	710
1,2-Dichloroethane	ND	280
1,1,1-Trichloroethane	ND	710
Carbon Tetrachloride	ND	280
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	710
Trichloroethene	ND	140
Dibromochloromethane	ND	710
1,1,2-Trichloroethane	ND	420
Benzene	82 J	140
trans-1,3-Dichloropropene	ND	710
2-Chloroethyl Vinyl Ether	ND	710
Bromoform	ND	570
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	710
Chlorobenzene	1800	710
Ethylbenzene	ND	570
Xylene (Total)	ND	710

ENVIROTECH RESEARCH, INC.

Client ID: **ST-1**
Site: Hexcel, Lodi

Lab Sample No: **85955**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3175.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **ST-2**
Site: Hexcel, Lodi

Lab Sample No: **85956**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3176.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	700
Bromomethane	ND	700
Vinyl Chloride	ND	700
Chloroethane	ND	700
Methylene Chloride	150 JB	420
Trichlorofluoromethane	ND	700
1,1-Dichloroethene	ND	280
1,1-Dichloroethane	ND	700
trans-1,2-Dichloroethene	ND	700
cis-1,2-Dichloroethene	ND	700
Chloroform	ND	700
1,2-Dichloroethane	ND	280
1,1,1-Trichloroethane	ND	700
Carbon Tetrachloride	ND	280
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	700
Trichloroethene	ND	140
Dibromochloromethane	ND	700
1,1,2-Trichloroethane	ND	420
Benzene	ND	140
trans-1,3-Dichloropropene	ND	700
2-Chloroethyl Vinyl Ether	ND	700
Bromoform	ND	560
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	700
Chlorobenzene	270 J	700
Ethylbenzene	ND	560
Xylene (Total)	ND	700

ENVIROTECH RESEARCH, INC.

Client ID: **ST-2**
Site: Hexcel, Lodi

Lab Sample No: **85956**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3176.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	20.27	1600	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1600

Client ID: ST-3
Site: Hexcel, Lodi

Lab Sample No: 85957
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3177.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	710
Bromomethane	ND	710
Vinyl Chloride	ND	710
Chloroethane	ND	710
Methylene Chloride	150 JB	420
Trichlorofluoromethane	ND	710
1,1-Dichloroethene	ND	280
1,1-Dichloroethane	ND	710
trans-1,2-Dichloroethene	ND	710
cis-1,2-Dichloroethene	ND	710
Chloroform	ND	710
1,2-Dichloroethane	ND	280
1,1,1-Trichloroethane	ND	710
Carbon Tetrachloride	ND	280
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	710
Trichloroethene	ND	140
Dibromochloromethane	ND	710
1,1,2-Trichloroethane	ND	420
Benzene	ND	140
trans-1,3-Dichloropropene	ND	710
2-Chloroethyl Vinyl Ether	ND	710
Bromoform	ND	570
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	710
Chlorobenzene	ND	710
Ethylbenzene	ND	570
Xylene (Total)	ND	710

ENVIROTECH RESEARCH, INC.

Client ID: **ST-3**
Site: Hexcel, Lodi

Lab Sample No: **85957**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3177.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **ST-4**
Site: Hexcel, Lodi

Lab Sample No: **85958**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3178.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	680
Bromomethane	ND	680
Vinyl Chloride	ND	680
Chloroethane	ND	680
Methylene Chloride	150 JB	410
Trichlorofluoromethane	ND	680
1,1-Dichloroethene	ND	270
1,1-Dichloroethane	ND	680
trans-1,2-Dichloroethene	ND	680
cis-1,2-Dichloroethene	ND	680
Chloroform	ND	680
1,2-Dichloroethane	ND	270
1,1,1-Trichloroethane	ND	680
Carbon Tetrachloride	ND	270
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	680
Trichloroethene	ND	140
Dibromochloromethane	ND	680
1,1,2-Trichloroethane	ND	410
Benzene	ND	140
trans-1,3-Dichloropropene	ND	680
2-Chloroethyl Vinyl Ether	ND	680
Bromoform	ND	540
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	680
Chlorobenzene	ND	680
Ethylbenzene	ND	540
Xylene (Total)	ND	680

ENVIROTECH RESEARCH, INC.

Client ID: **ST-4**
Site: Hexcel, Lodi

Lab Sample No: **85958**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3178.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **ST-5**
Site: Hexcel, Lodi

Lab Sample No: **85959**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3179.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	660
Bromomethane	ND	660
Vinyl Chloride	ND	660
Chloroethane	ND	660
Methylene Chloride	140 JB	400
Trichlorofluoromethane	ND	660
1,1-Dichloroethene	ND	260
1,1-Dichloroethane	ND	660
trans-1,2-Dichloroethene	ND	660
cis-1,2-Dichloroethene	ND	660
Chloroform	ND	660
1,2-Dichloroethane	ND	260
1,1,1-Trichloroethane	ND	660
Carbon Tetrachloride	ND	260
Bromodichloromethane	ND	130
1,2-Dichloropropane	ND	130
cis-1,3-Dichloropropene	ND	660
Trichloroethene	ND	130
Dibromochloromethane	ND	660
1,1,2-Trichloroethane	ND	400
Benzene	ND	130
trans-1,3-Dichloropropene	ND	660
2-Chloroethyl Vinyl Ether	ND	660
Bromoform	ND	530
Tetrachloroethene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
Toluene	ND	660
Chlorobenzene	ND	660
Ethylbenzene	ND	530
Xylene (Total)	ND	660

ENVIROTECH RESEARCH, INC.

Client ID: **ST-5**
Site: Hexcel, Lodi

Lab Sample No: **85959**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3179.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **ST-6**
Site: Hexcel, Lodi

Lab Sample No: **85960**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3180.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	650
Bromomethane	ND	650
Vinyl Chloride	110 J	650
Chloroethane	ND	650
Methylene Chloride	140 JB	390
Trichlorofluoromethane	ND	650
1,1-Dichloroethene	ND	260
1,1-Dichloroethane	ND	650
trans-1,2-Dichloroethene	ND	650
cis-1,2-Dichloroethene	120 J	650
Chloroform	ND	650
1,2-Dichloroethane	ND	260
1,1,1-Trichloroethane	ND	650
Carbon Tetrachloride	ND	260
Bromodichloromethane	ND	130
1,2-Dichloropropane	ND	130
cis-1,3-Dichloropropene	ND	650
Trichloroethene	ND	130
Dibromochloromethane	ND	650
1,1,2-Trichloroethane	ND	390
Benzene	400	130
trans-1,3-Dichloropropene	ND	650
2-Chloroethyl Vinyl Ether	ND	650
Bromoform	ND	520
Tetrachloroethene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
Toluene	ND	650
Chlorobenzene	5300	650
Ethylbenzene	ND	520
Xylene (Total)	ND	650

ENVIROTECH RESEARCH, INC.

Client ID: **ST-6**
Site: Hexcel, Lodi

Lab Sample No: **85960**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3180.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **ST-7**
Site: Hexcel, Lodi

Lab Sample No: **85961**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3181.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	670
Bromomethane	ND	670
Vinyl Chloride	ND	670
Chloroethane	ND	670
Methylene Chloride	150 JB	400
Trichlorofluoromethane	ND	670
1,1-Dichloroethene	ND	270
1,1-Dichloroethane	ND	670
trans-1,2-Dichloroethene	ND	670
cis-1,2-Dichloroethene	ND	670
Chloroform	ND	670
1,2-Dichloroethane	ND	270
1,1,1-Trichloroethane	ND	670
Carbon Tetrachloride	ND	270
Bromodichloromethane	ND	130
1,2-Dichloropropane	ND	130
cis-1,3-Dichloropropene	ND	670
Trichloroethene	ND	130
Dibromochloromethane	ND	670
1,1,2-Trichloroethane	ND	400
Benzene	ND	130
trans-1,3-Dichloropropene	ND	670
2-Chloroethyl Vinyl Ether	ND	670
Bromoform	ND	540
Tetrachloroethene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
Toluene	ND	670
Chlorobenzene	ND	670
Ethylbenzene	ND	540
Xylene (Total)	ND	670

ENVIROTECH RESEARCH, INC.

Client ID: **ST-7**
Site: Hexcel, Lodi

Lab Sample No: **85961**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3181.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

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ENVIROTECH RESEARCH, INC.

Client ID: **ST-8**
Site: Hexcel, Lodi

Lab Sample No: **85962**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3182.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	750
Bromomethane	ND	750
Vinyl Chloride	ND	750
Chloroethane	ND	750
Methylene Chloride	160 JB	450
Trichlorofluoromethane	ND	750
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	750
trans-1,2-Dichloroethene	ND	750
cis-1,2-Dichloroethene	ND	750
Chloroform	ND	750
1,2-Dichloroethane	ND	300
1,1,1-Trichloroethane	ND	750
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	750
Trichloroethene	ND	150
Dibromochloromethane	ND	750
1,1,2-Trichloroethane	ND	450
Benzene	ND	150
trans-1,3-Dichloropropene	ND	750
2-Chloroethyl Vinyl Ether	ND	750
Bromoform	ND	600
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	750
Chlorobenzene	ND	750
Ethylbenzene	ND	600
Xylene (Total)	ND	750

ENVIROTECH RESEARCH, INC.

Client ID: ST-8
Site: Hexcel, Lodi

Lab Sample No: 85962
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3182.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20.5

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	20.27	1000	
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	1000

ENVIROTECH RESEARCH, INC.

Client ID: ST-9
Site: Hexcel, Lodi

Lab Sample No: 85963
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3183.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	130 JB	370
Trichlorofluoromethane	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	91 J	120
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	620
Bromoform	ND	500
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	240 J	620
Chlorobenzene	4800	620
Ethylbenzene	ND	500
Xylene (Total)	ND	620

ENVIROTECH RESEARCH, INC.

Client ID: ST-9
Site: Hexcel, Lodi

Lab Sample No: 85963
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/03/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j3183.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-1**
Site: Hexcel, Lodi

Lab Sample No: **85964**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/06/98
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k4848.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	770
Bromomethane	ND	770
Vinyl Chloride	ND	770
Chloroethane	ND	770
Methylene Chloride	ND	460
Trichlorofluoromethane	ND	770
1,1-Dichloroethene	ND	310
1,1-Dichloroethane	ND	770
trans-1,2-Dichloroethene	ND	770
cis-1,2-Dichloroethene	ND	770
Chloroform	ND	770
1,2-Dichloroethane	ND	310
1,1,1-Trichloroethane	ND	770
Carbon Tetrachloride	ND	310
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	770
Trichloroethene	ND	150
Dibromochloromethane	ND	770
1,1,2-Trichloroethane	ND	460
Benzene	ND	150
trans-1,3-Dichloropropene	ND	770
2-Chloroethyl Vinyl Ether	ND	770
Bromoform	ND	620
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	770
Chlorobenzene	ND	770
Ethylbenzene	ND	620
Xylene (Total)	ND	770

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-1**
Site: Hexcel, Lodi

Lab Sample No: **85964**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/06/98
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k4848.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Ethylmethylbenzene isomer	14.32	0.68	
2. Ethylmethylbenzene isomer	14.41	0.67	
3. Benzene, 1,2,4-trimethyl-	14.71	0.27	
4. Unknown Aromatic	15.39	0.47	
5. Unknown	15.56	1.9	
6. Unknown	16.87	0.28	
7.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION	4.3

Client ID: **FB-1**
Site: Hexcel, Lodi

Lab Sample No: **85965**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 09/25/98
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4342.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **FB-1**
Site: Hexcel, Lodi

Lab Sample No: **85965**
Lab Job No: H581

Date Sampled: 09/24/98
Date Received: 09/24/98
Date Analyzed: 09/25/98
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4342.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

882260059

ENVIROTECH RESEARCH, INC.

Client ID: **Trip_Blank**
Site: Hexcel, Lodi

Lab Sample No: **85966**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/06/98
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k4849.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	380
Trichlorofluoromethane	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	380
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	620
Bromoform	ND	500
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Xylene (Total)	ND	620

ENVIROTECH RESEARCH, INC.

Client ID: **Trip_Blank**
Site: Hexcel, Lodi

Lab Sample No: **85966**
Lab Job No: H581

Date Sampled: 09/23/98
Date Received: 09/24/98
Date Analyzed: 10/06/98
GC Column: DB624
Instrument ID: VOAMS9.i
Lab File ID: k4849.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 2

Name (for report and invoice) Robert Shvisko	Samplers Name (Printed) RMS/MPC	Site/Project Identification Hexcel Lodi
Company Haley & Aldrich	P.O. # 74167-005	State (Location of site): NJ: ☒ NY: ☐ Other:
Address 150 Mineral Spring Dr	Analysis Turnaround Time: Standard ☒	Regulatory Program:
City Dover State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 973-361-3600 Fax 973-361-3600		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: H581

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs	Sample Numbers
St-1	9/23/98	1045	Soil	2 4oz	X	85955
St-2	9/23/98	1120	Soil	2 4oz	X	85956
St-3	9/23/98	1430	Soil	2 4oz	X	85957
St-4	9/24/98	1120	Soil	2 4oz	X	85958
St-5	9/24/98	1045	Soil	2 4oz	X	85959
St-6	9/24/98	1020	Soil	2 4oz	X	85960
St-7	9/24/98	0940	Soil	+2	X	85961
St-8	9/24/98	0855	Soil	+2	X	85962
St-9	9/23/98	1650	Soil	+2	X	85963
Dup-1	9/23/98	1430	Soil	+2	X	85964

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	Haley & Aldrich	9/24/98 16:00	1) Adam Michley	Envirotech
Relinquished by	Company	Date / Time	Received by	Company
2) Adam Michley	Envirotech	9/24/98 18:20	2)	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
Relinquished by	Company	Date / Time	Received by	Company
3)			3)	
Relinquished by	Company	Date / Time	Received by	Company
4)			4)	

Laboratory Certifications: New Jersey (12543), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

882260062

ENVIROTECH RESEARCH INC.

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 2 OF 2

Name (for report and invoice) Robert Shusko	Samplers Name (Printed) RMS/MPO	Site/Project Identification Hexcel, Lodi
Company Haley & Aldrich	P.O. # 74167-005	State (Location of site): NJ: [X] NY: [ ] Other:
Address 150 Mineral Spring Dr.	Analysis Turnaround Time Standard [X]	Regulatory Program:
City Dover State NJ	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone 973-361-3600 Fax 973-361-3800		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: H581

Sample Identification	Date	Time	Matrix	No. of Cont.	VOA's	Sample Numbers
FB-1	9/24/98	1110	Aqu	2	X	85965
Trip Blank - added #59/64	9/23		MeOH	1	X	85966

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	Haley & Aldrich	9/24/98 16:00	1) Adam Mickley	Envirotech
2) Adam Mickley	Envirotech	9/24/98 18:20	2)	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12543), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

88260063 26

UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

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Dover, NJ 07801-1635
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HALEY & ALDRICH

19 January 1999
File No. 74167-001

New Jersey Department of Environmental Protection
Bureau of Environmental and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention: Joseph J. Nowak

Subject: Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), we are writing to inform you of a temporary change in the groundwater/DNAPL/LNAPL monitoring and product recovery program due to demolition activities at the site. Both the groundwater/DNAPL/LNAPL monitoring and product recovery will cease until the demolition of the buildings is complete. The operation of demolition equipment and the presence of demolition debris create a hazard for additional workers to perform the monitoring and product recovery activities. The quarterly monitoring scheduled for January 1999 will be performed immediately after demolition. We anticipate that demolition will be finished by mid-February 1999.

Please call us if you have any questions regarding the above.

Sincerely yours,
HALEY & ALDRICH, INC.

Sunila Gupta
Project Engineer

Joseph G. Savarese
Project Manager

c: A. William Nosil

SG\JGS\III\74167a03.doc

UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

Haley & Aldrich, Inc.
150 Mineral Spring Drive
Dover, NJ 07801-1635
Tel: 973.361.3600
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HALEY & ALDRICH

11 December, 1998
File No. 74167-001

New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention: Joseph J. Nowak

Subject: Request for Meeting to Discuss Conceptual Remedial Plan
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

Although we anticipated scheduling a meeting with you next week, we need to reschedule it. Hexcel is currently demolishing the buildings at the site as part of the preparation for implementing remedial activities next year. We anticipate demolition activities will be completed by the end of January 1999. I will contact you at that time for available dates to arrange a meeting in February. We have attached a revised schedule for 1999.

Thank you for your understanding in this matter. If you have any questions, please do not hesitate to call.

Sincerely yours,
HALEY & ALDRICH, INC.

Joseph G. Savarese
Project Manager

Enclosures

c: A. William Nosil
Edward Hogan, Esq.

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ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
HEXCEL FACILITY
LODI, NEW JERSEY

TASK DESCRIPTION	1999 1	2	3	4	5	6	7	8	9	10	11	12
REMEDIATION												
DNAPL/LNAPL recovery (temporary)	■	■										
Demolish bldgs & dispose debris & waste	■											
Collect, analyze & evaluate surface water samples										■		
Permitting associated with the remedial plan									■	■		
Implement remedial plan											■	■
REPORTING												
Meet with NJDEP to propose remedial plan		■										
Prepare comprehensive remedial plan (RAW Addendum)			■	■	■							
NJDEP review of remedial plan						■	■	■				
Progress Report/Remedial Status Report	■											■
Prepare final report *												
NJDEP review and site inspection *												
Case closure *												

* Timing to be estimated within comprehensive remedial plan.

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HALEY & ALDRICH

03 December 1998
File No. 74167-001

New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention: Joseph J. Nowak

Subject: Revised Data Tables
October 1998 Quarterly Progress Report
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

This letter is to provide you with the revised analytical results summary tables for PCBs for groundwater sampling conducted in July 1998. Summary tables of the analytical results were provided to the New Jersey Department of Environmental Protection (NJDEP) with the Quarterly Progress Report dated 23 October 1998. Although the laboratory QA/QC report submitted to the NJDEP along with the report has the correct data, the summary tables for PCB results provided in Appendix D were based on the preliminary data supplied by the laboratory prior to their QA/QC review.

The revised tables VII and VIII are enclosed. We request that you replace tables in all the three copies of the October 1998 progress report submitted to the NJDEP.

We apologize for any confusion this may have caused. Please call if you have any questions regarding the above.

Sincerely yours,
HALEY & ALDRICH, INC.

Sunila Gupta
Project Engineer

Joseph G. Savarese
Project Manager

Enclosures

c: A. William Nosil
Edward Hogan, Esq.

SG\JGS\III\74167h29

TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-2		MW-4	MW-6		MW-8		MW-10		MW-12	
	1988	1998	1998	1988	1998	1988	1998	1988	1998	1988	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	1.4	--	42	--	35	--	1.7	--	--
Aroclor-1248	86	90	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-14		MW-16		MW-17	MW-20		MW-21		MW-22	MW-23	
	1988	1998	1988	1998	1998	1990	1998	1990	1998	1998	1995	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1242	--	--	--	8.2	150	--	--	--	--	5.7	*	--
Aroclor-1248	--	--	--	--	--	--	--	--	0.38	--	*	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	--	*	--

Notes: All results are in ug/L.

Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

* = This sample was collected by Napp Technologies, Inc. Concentrations of individual Aroclors are not available; Total PCBs reportedly detected at 0.8 ug/L.

TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-24		MW-26		MW-27	MW-28		MW-33
	1990	1998	1990	1998	1998	1990	1998	1998
Aroclor-1016	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	4.1	--	--	--
Aroclor-1248	--	--	--	--	--	--	0.3	--
Aroclor-1254	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

TABLE VIII
PCB ANALYTICAL RESULTS FOR DEEP WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-1		MW-3		MW-5	MW-7		MW-9		MW-11		MW-13		MW-15		MW-19
	1988	1998	1988	1998	1998	1988	1998	1988	1998	1988	1998	1988	1998	1988	1998	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	0.35	--	--	--	--	1.5	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.